

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : OMRON TATEISI ELECTRON CO

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(54) DATA TRANSMISSION SYSTEM

(57)Abstract:

PURPOSE: To smooth the re-rising even if a sequence number managed by a reception side is reset by managing a management reception sequence number at the reception side to an opposite party not communicated by a value other than normal value and judging whether or not the reception is the initial reception in the presence of the transmission from the opposite party based on the value.

CONSTITUTION: The management value other than the reception sequence number sent to the transmission side is prepared prior to the start of the reception at the reception side and when a data is sent from the sender side, the transmission sequence number in the data and the value are compared and the data is identified to be the initial transmission. When the reception side is reset, the management reception sequence number at the receiver side reaches a value other than the normal value and the value and the transmission sequence number in the data sent from the sender side are compared and it is identified that the data is the first transmission data. Thus, the sequence number sent from the sender side is matched with the sequence number managed by the receiver side, the sender side can continue the normal transmission as it is.

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